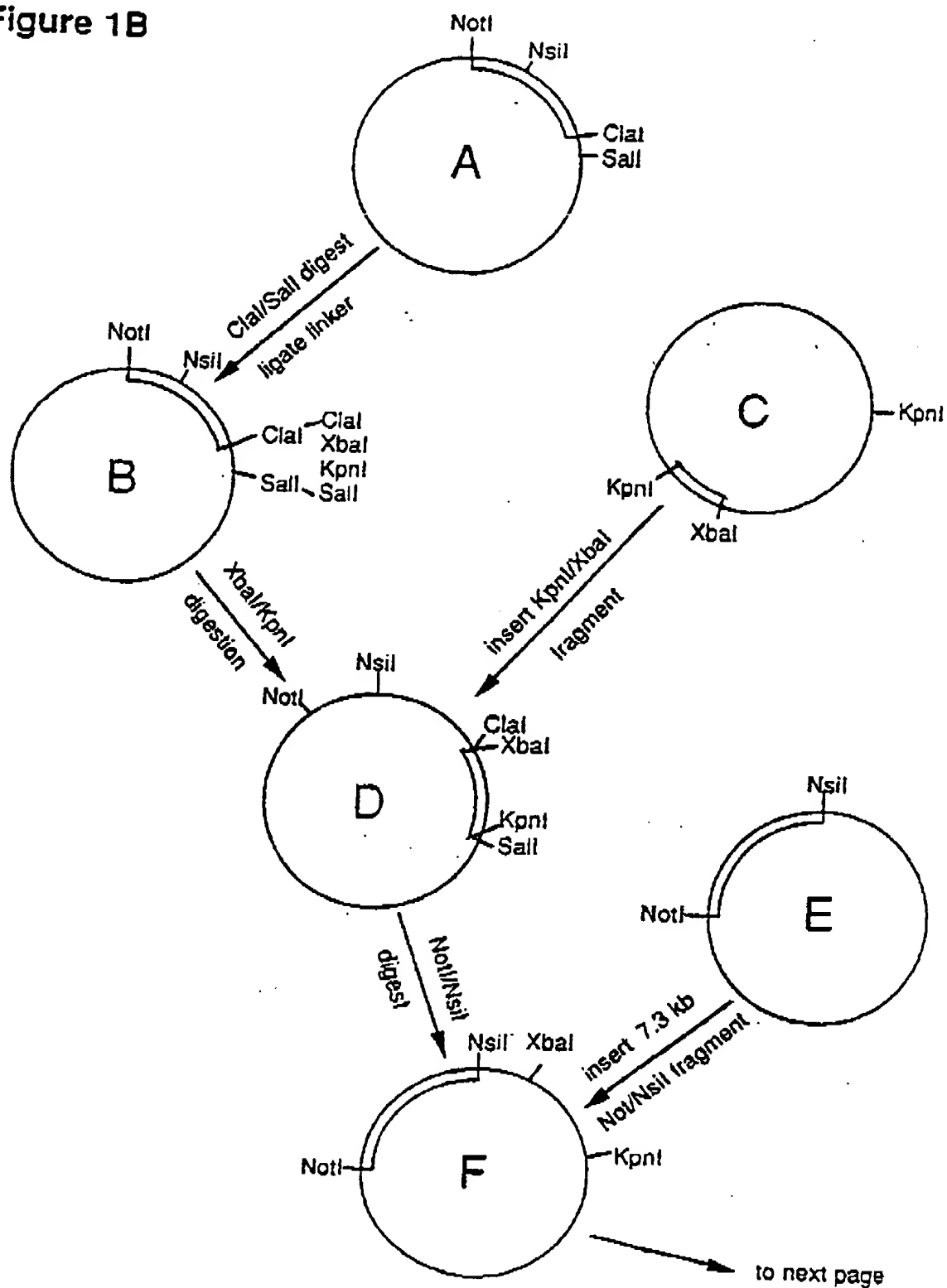
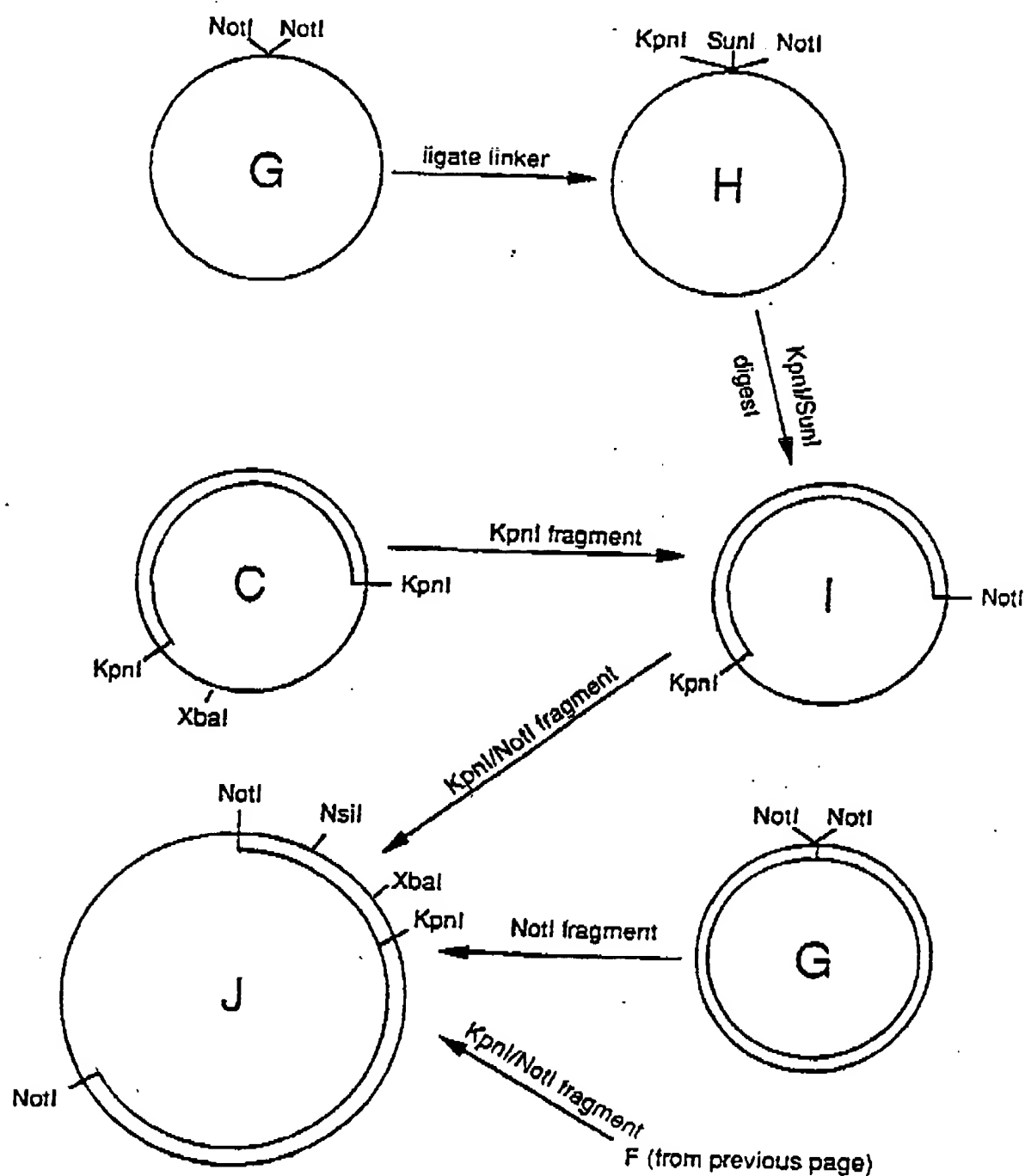
**Figure 1A**

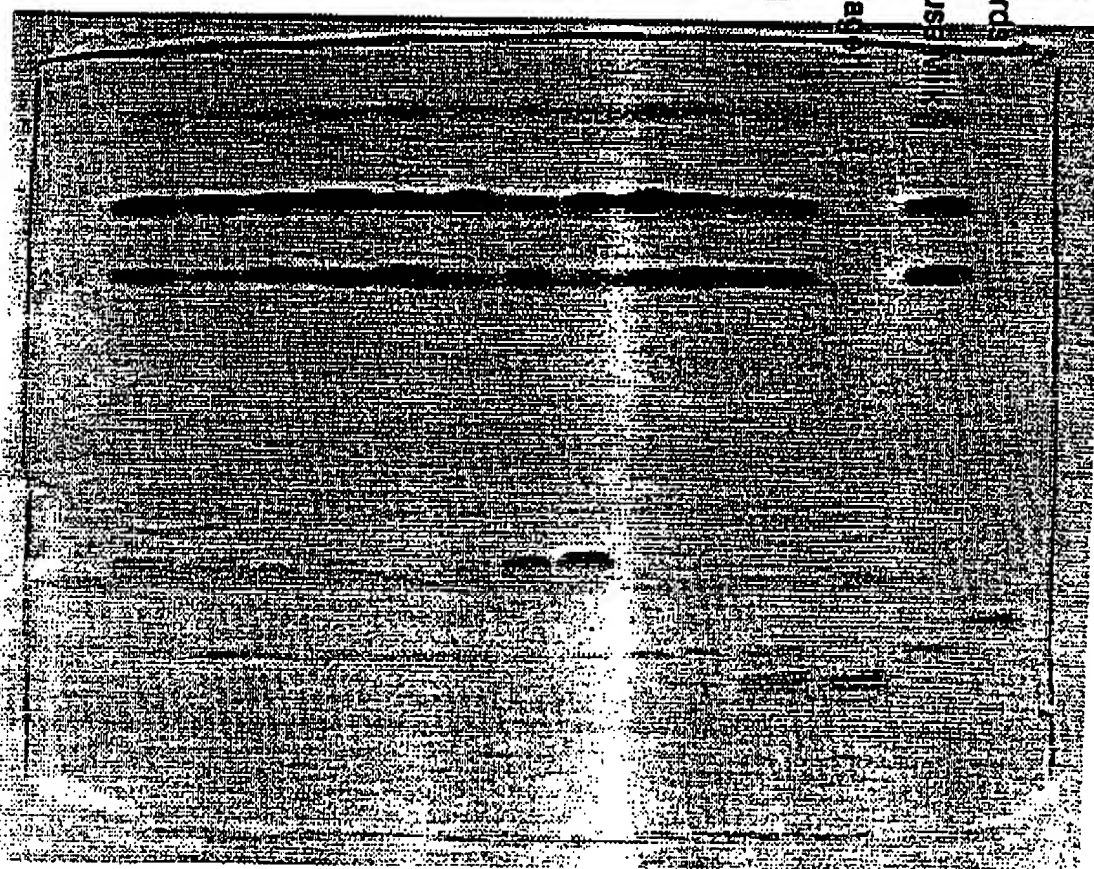
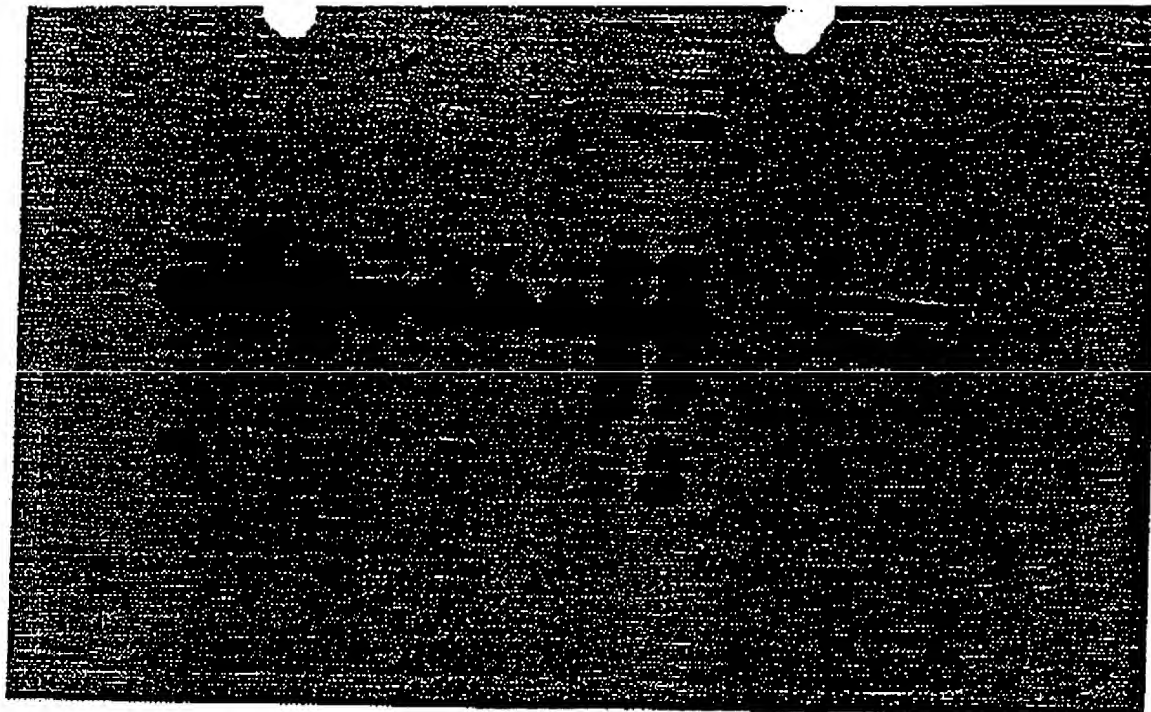
**Figure 1B**

**Figure 1B (cont)**

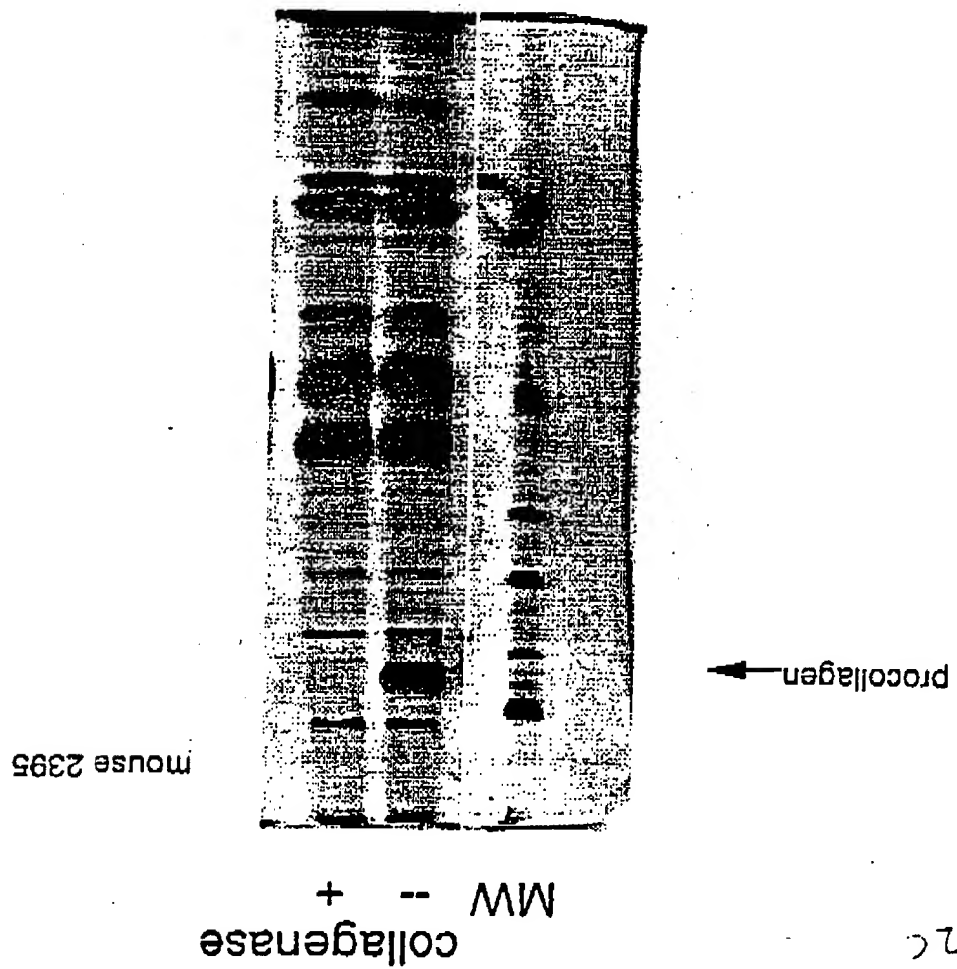
bovine  $\alpha$ S1 casein promoter operatively  
linked to human  $\alpha$ 1(I) procollagen

Figure 1B legend - explanation of DNA constructions

- A p(-680,CS) plasmid containing 680 bp of bovine  $\alpha$ S1-casein promoter - obtained from Gene Pharming International
- B p(-680,CS)+linker same as (A) but containing a synthetic linker with the restriction enzyme recognition sites for XbaI and KpnI between the ClaI and SalI sites; also includes a synthetic 5' untranslated region between the ClaI and XbaI sites
- C CG103 cosmid containing human  $\alpha$ 1(I) procollagen gene obtained from Barsh, et. al.
- D pCOL1600 construction containing 680 bp of bovine  $\alpha$ S1-casein promoter (from A) operatively linked to 1600 bp of human  $\alpha$ 1(I) procollagen (from C)
- E p(8kb,CS) plasmid containing 8 kb of bovine  $\alpha$ S1-casein promoter - obtained from Gene Pharming International
- F p8COL1600 same as (D) but with 8 kb of bovine  $\alpha$ S1-casein promoter (from E)
- G pWE15 $\Delta$ CAS cosmid vector - obtained from Gene Pharming International
- H pWESUN same as (G) but with containing a linker with the restriction enzyme recognition sites for KpnI and SunI inserted into the NotI site; the 5' NotI site was destroyed, but the 3' NotI site was recreated
- I intermediate cosmid vector containing the 3' region of the human  $\alpha$ 1(I) procollagen gene from (C) inserted into (H); the 3' KpnI site inserted into the SunI site destroyed the recognition sites for both enzymes
- J p8gCOL(A1) cosmid vector (G) containing the bovine  $\alpha$ S1-casein promoter operatively linked to the human  $\alpha$ 1(I) procollagen gene



MW Standards  
 Normal Mouse Milk  
 HSF Procollagen  
 Lanes 2 & 3  
 2393  
 2393  
 2395  
 2395  
 2399  
 2399  
 2406  
 2406  
 2411  
 2411  
 HLF



# Detection of Human Procollagen in the Milk of Transgenic Rabbits

